

# Third Rig at Eastmain, Mineralised Tonalite at E Zone

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## HIGHLIGHTS

- Third drill rig on site adding to the two already in operation at Eastmain
- Drilling capacity increased to c.1,500m/week - 38,000m drilled to date, on track to achieve the 2021 plan of 50,000m
- Drilling targeting DHEM conductors down-plunge of A and C Zones and extensions to E Zone
- Over 15,000 samples from 52 drillholes awaiting assays
- New style of mineralisation discovered at E Zone associated with a tonalite intrusion located structurally between the Kotak and Mine trend with visible gold observed

Toronto, October 20, 2021 - [Benz Mining Corp.](#) (TSXV: BZ) (ASX: BNZ) (the Company or Benz) is pleased to provide an update on its 2021 drilling campaign. The third drill rig, originally booked for September, is now on site at Eastmain and drilling electromagnetic targets down-plunge from the existing resource.

CEO, Xavier Braud, commented: "The third rig we needed to accelerate our drilling program is now in operation at Eastmain. Our current drilling capacity has increased to ~1,500m per week which will see us achieve our original target of 50,000m of drilling this year. We currently have over 15,000 samples awaiting assay results. Turnaround time at the laboratory has been extremely slow especially with the need for metallic screen fire assays. The discovery of a new mineralised system with visible gold at E Zone is also very exciting and we look forward to sharpening our understanding of this new fertile system. Eastmain is still surprising us which augurs very well for the future."

Figure 1: Eastmain Gold Project with 2021 drillholes pending assays, 2021 drilling with logged visible gold, DHEM conductors modelled to date and current drill rig location

To view an enhanced version of Figure 1, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_001full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_001full.jpg)

Figure 2: Map view of the Eastmain Project with historical and current high grade drill results and 2021 drilling pending assays with EM conductors and simplified geology

To view an enhanced version of Figure 2, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_002full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_002full.jpg)

## Tonalite Zone discovery

At E Zone, drilling encountered a tonalite intrusion structurally located between the Kotak horizon and the Mine horizon.

This tonalite has a variable thickness over the area.

The tonalite shows numerous zones of alteration with silicification, sericitization and albitisation. Quartz veins are present with associated tourmaline and carbonate.

The tonalite also shows sulphide mineralisation as disseminations in the veins and on their margins. Sulphides include pyrite, pyrrhotite and chalcopyrite with occasional sphalerite and molybdenite. Garnet porphyroblasts are observed in the strongest alteration zones. Sulphide mineralisation coincides broadly with the conductors identified by downhole EM.

Quartz veins with carbonate within the tonalite contain visible gold.

Visible gold was also observed in the upper sheared contact between the tonalite and the overlying alternation of volcanics and ultramafics.

Figure 3: NE-SW Schematic geological cross section showing the newly discovered mineralised tonalite intrusion at E Zone

To view an enhanced version of Figure 3, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_003full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_003full.jpg)

Figure 4: Mineralised tonalite contact with visible gold associated with quartz-pyrrhotite veining (Hole EM21-167, 278.6m)

To view an enhanced version of Figure 4, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_004full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_004full.jpg)

Figure 5: Mineralised vein is hosted in a moderately biotitized, silicified and albitized tonalite with tourmaline-quartz carbonate veins and local garnet porphyroblasts. (Hole EM21-207, 342.2m)

To view an enhanced version of Figure 5, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_005full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_005full.jpg)

A and C Zones extensions at depth guided by DHEM

Drilling of DHEM conductors down-plunge from A and C Zones show that the mineralised system carries out at depth. The current drilling in those areas follows the same methodology applied by Benz in the last 12 months at Eastmain with 100m step-outs. Whilst this spacing is too wide to establish a resource estimate from the current drilling, it gives the Company a much better understanding of the potential footprint of the deposit before planning infill drilling.

Figure 6: C Zone depth extension (EM21-205, 601.0m)

To view an enhanced version of Figure 6, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_006full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_006full.jpg)

Figure 7: A Zone depth extension, Mine horizon with quartz, pyrrhotite, pyrite and chalcopyrite (EM21-204B, 564.7m)

To view an enhanced version of Figure 7, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_007full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_007full.jpg)

### Eastmain Gold Project

The Eastmain Gold Project, situated on the Upper Eastmain Greenstone Belt in Quebec, Canada, currently hosts a NI 43-101 and JORC (2012) compliant resource of 376,000oz at 7.9gpt gold (Indicated: 236,500oz at 8.2gtp gold, Inferred: 139,300oz at 7.5gtp gold). The existing gold mineralisation is associated with 15-20% semi-massive to massive pyrrhotite, pyrite and chalcopyrite in highly deformed and altered rocks making it amenable to detection using electromagnetic techniques. Multiple gold occurrences have been identified by previous explorers over a 10km long zone along strike from the Eastmain Mine with very limited but highly encouraging testing outside the existing resource area. Benz has subsequently identified over 150 DHEM conductors over a strike length of 6km which is open in all directions.

This press release was prepared under supervision and approved by Dr. Danielle Giovenazzo, P.Geo, acting as Benz's qualified person under National Instrument 43-101.

### About Benz Mining Corp.

[Benz Mining Corp.](#) brings together an experienced team of geoscientists and finance professionals with a focused strategy to acquire and develop mineral projects with an emphasis on safe, low risk jurisdictions favourable to mining development. Benz is earning a 100% interest in the former producing high grade Eastmain gold mine, Ruby Hill West and Ruby Hill East projects in Quebec.

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Figure 8: Benz tenure over Upper Eastmain Greenstone Belt simplified geology.

To view an enhanced version of Figure 8, please visit:  
[https://orders.newsfilecorp.com/files/1818/100286\\_40359210d43bebaa\\_008full.jpg](https://orders.newsfilecorp.com/files/1818/100286_40359210d43bebaa_008full.jpg)

On behalf of the Board of Directors of [Benz Mining Corp.](#)

Xavier Braud, CEO

For more information please contact:

Paul Fowler  
Head of Corporate Development (Canada)  
[Benz Mining Corp.](#)  
Telephone: +1 416 356 8165  
Email: [info@benzmining.com](mailto:info@benzmining.com)

Xavier Braud  
CEO, Head of Corporate Development (Aus)  
[Benz Mining Corp.](#)  
Telephone +61 423 237 659  
Email: [info@benzmining.com](mailto:info@benzmining.com)

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Competent Person's Statements: The information in this report that relates to Exploration Results is based on and fairly represents information and supporting information compiled by Mr Xavier Braud, who is a member of the Australian Institute of Geoscientists (AIG membership ID:6963). Mr Braud is a consultant to the Company and has sufficient experience in the style of mineralization and type of deposits under consideration and qualifies as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Braud holds securities in [Benz Mining Corp.](#) and consents to the inclusion of all technical statements based on his information in the form and context in which they appear.

The information in this announcement that relates to the Inferred Mineral Resource was first reported under the JORC Code by the Company in its prospectus released to the ASX on 21 December 2020. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and confirms that all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

#### Appendix 1: Collar Table 2021 Drilling

DDH ID	X_NAD83_Z18N	Y_NAD83_Z18N	Elevation	Azimuth (planned)	Azimuth (measured)	Dip planned	Dip (measured)
EM21-143	698713	5798618	485.0	215	215.35	-56.9	56.9
EM21-144	698568	5799058	485	215	215.1	-75	75
EM21-145	698315	5799210	487	215	215.3	-60	60
EM21-146	698280	5799265	495	215	215	-60	60
EM21-147	698184	5799041	490	220	220	-55	55
EM21-148	698192	5799167	491	220	220	-60	55
EM21-149	698014	5799532	487	217	217	-55	54.9
EM21-150	698182	5799743	510	217	217.1	-55	54.9
EM21-151	698569	5798713	483	216	216.19	-60	60.4
EM21-152	699236	5798936	508	225	225	-75	74.9
EM21-153	699248	5798810	480	225	225.3	-80	80.5
EM21-154	699247	5799006	484	225	225.16	-75	75
EM21-155	698518	5798790	486	220	219.88	-60	60.4
EM21-156	698582	5799177	485	215	215.04	-75	75.3
EM21-157	698434	5799154	485	240	239.9	-60	58
EM21-158	698405	5799250	483	245	249	-60	59
EM21-159	698520	5799290	484	245	244.5	-65	-64.9
EM21-160	700655	5797357	503	215	214.66	-70	-70.4

DDH ID	X_NAD83_Z18N	Y_NAD83_Z18N	Elevation	Azimuth (planned)	Azimuth (measured)	Dip planned	Dip (measured)
EM21-161	701002	5797424	499	215	214.9	-60	-60.2
EM21-162	700174	5798070	488	210	210.4	-65	-65.3
EM21-163	701190	5797310	509	215	215.3	-60	-60.1
EM21-164	701030	5797282	524	210	210.4	-60	-60.2
EM21-165	700394	5798111	487	210		-74	-73.9
EM21-166	701160	5797442	494	215	214.9	-60	-60.6
EM21-167	701401	5797480	503	180	180.1	-70	-70.2
EM21-168	700280	5798134	485	210	210.3	-75	-75.1
EM21-169	701246	5797779	490	210	209.6	-75	-74.6
EM21-170	700276	5797965	490	210	210.3	-70	-70.4
EM21-171	700171	5797963	489	210	210	-70	-70.3
EM21-172	700605	5797443	495	210	209.9	-60	-60.1
EM21-173	700297	5797805	492	210	204.3	-70	-71.1
EM21-174	701371	5798073	484	210	209.65	-65	-65.3
EM21-175	700226	5797876	487	206	207.71	-70	-70.1
EM21-176	701210	5798045	483	213	212.8	-67	-67.1
EM21-177	700114	5797875	486	210	209.9	-70	-70.1
EM21-178	700263	5798666	481	215	215.3	-65	-65.1
EM21-179	700062	5797789	485	210	209.9	-70	-70.1
EM21-180	700357	5798529	482	210	210.1	-70	-70.5
EM21-181	700181	5797790	487	210	209.9	-65	-65.2
EM21-182	700341	5798224	484	210	209.9	-75	-75.2
EM21-183	700080	5798025	485	210	209.8	68	-67.1
EM21-184	700368	5797902	491	210	210.2	-70	-70.1
EM21-185	700305	5798405	486	210	209.47	-70	-70.0
EM21-186	700262	5797716	494	210	209.5	-70	-70.1
EM21-187	700428	5798232	487	210	205.65	-75	-75.2
EM21-188	700188	5797587	492	210		-70	-70.1
EM21-189	700039	5797566	495	210	209.45	-70	-69.9
EM21-190	700675	5797450	497	210	210.7	-65	-65.8
EM21-191	700474	5798085	492	210	208.3	-70	-69.8
EM21-192	701121	5797475	504	215	215	-60	-59.9
EM21-193	701204	5797420	494	215	215.2	-60	-59.9
EM21-194	700230	5798513	490	210	209.7	-70	-70.1
EM21-195	701352	5797496	500	185	184.8	-70	-70.1
EM21-196	701352	5797496	500	215	215.4	-60	-59.7
EM21-197	700253	5798660	479	200	196.7	-82	-83.1
EM21-198	701457	5797479	505	185	185.4	-70	-70.4
EM21-199	699463	5798380	480	215	214.7	-70	-69.9
EM21-200	701470	5797599	513	185	184.83	-70	-69.9
EM21-201	699599	5798581	484	210	209.6	-70	-70.1
EM21-202	701389	5797381	502	185	184.9	-70	-70.1
EM21-203	699776	5798523	483	215	215.1	-70	-70.1
EM21-204-B	699141	5799038	487	215	215.4	-70	-70.1
EM21-205	699783	5798534	482	215	214.9	-80	-79.9
EM21-206	701545	5797486	513	185	185.1	-70	-69.9
EM21-207	701411	5797582	505	185	N/A	-70	N/A
EM21-208	699050	5799080	493	215	215.89	-70	-70.2
EM21-209	699735	5798655	482	215	215.7	-75	-75.0
EM21-210	701222	5797541	503	215	214.33	-65	-65.5
EM21-211	699095	5798740	485	220	220.91	-70	-69.9
EM21-212	699647	5798671	477	215	N/A	-70	N/A
EM21-213	700971	5797181	531	215	215.05	-60	-60.1
EM21-214	699169	5798821	481	220	219.8	-70	-69.8

## Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation
Sampling techniques	<ul style="list-style-type: none"> <li>● Nature and quality of sampling (eg cut channels, random chip measurement tools appropriate to the minerals under investigation or handheld XRF instruments, etc). These examples should include details of sampling.</li> <li>● Include reference to measures taken to ensure sample representativeness of any measurement tools or systems used.</li> <li>● Aspects of the determination of mineralisation that are Material to the assessment of the Mineral Resource (eg lithological information, sampling and testing, geological interpretation, grade control and quality control, results verification, etc).</li> <li>● In cases where 'industry standard' work has been done this work should be described (eg 'reverse circulation drilling was used to obtain 1 m samples from which 50 g was analysed for gold that has inherent sampling problems. Unusual commodities (eg uranium nodules) may warrant disclosure of detailed information).</li> </ul>
Drilling techniques	<ul style="list-style-type: none"> <li>● Drill type (eg core, reverse circulation, open-hole hammer, rotary air-leg, etc) and details (eg core diameter, triple or standard tube, depth of penetration, etc).</li> </ul>
Drill sample recovery	<ul style="list-style-type: none"> <li>● Method of recording and assessing core and chip sample recoverability.</li> <li>● Measures taken to maximise sample recovery and ensure representativeness of all sample types.</li> <li>● Whether a relationship exists between sample recovery and drill type (eg core recovery may be higher for diamond bits than for PDC bits) and whether it has been accounted for or occurred due to preferential loss/gain of fine/coarse material.</li> </ul>
Logging	<ul style="list-style-type: none"> <li>● Whether core and chip samples have been geologically and geotechnically logged to support appropriate Mineral Resource estimation, mining studies and metallurgical requirements.</li> <li>● Whether logging is qualitative or quantitative in nature. Core and chip logs should be available to support the Mineral Resource estimate.</li> <li>● The total length and percentage of the relevant intersections logged.</li> </ul>
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> <li>● If core, whether cut or sawn and whether quarter, half or all core was sampled.</li> <li>● If non-core, whether riffled, tube sampled, rotary split, etc and whether sampling was done in a consistent and appropriate manner.</li> <li>● For all sample types, the nature, quality and appropriateness of the sample preparation technique.</li> <li>● Quality control procedures adopted for all sub-sampling stages to minimise bias and ensure that the sampling is representative of the material.</li> <li>● Measures taken to ensure that the sampling is representative of the material (eg for instance results for field duplicate/second-half sampling).</li> <li>● Whether sample sizes are appropriate to the grain size of the material.</li> </ul>

Criteria

JORC Code explanation

Quality of assay data and laboratory tests

- The nature, quality and appropriateness of the assaying and the technique is considered partial or total.
- For geophysical tools, spectrometers, handheld XRF instruments determining the analysis including instrument make and model applied and their derivation, etc.
- Nature of quality control procedures adopted (eg standards, checks) and whether acceptable levels of accuracy (ie lack of established).

Verification of sampling and assaying

- The verification of significant intersections by either independent or
- The use of twinned holes.
- Documentation of primary data, data entry procedures, data (electronic) protocols.
- Discuss any adjustment to assay data.

Location of data points

- Accuracy and quality of surveys used to locate drill holes (collar and workings and other locations used in Mineral Resource estimation)
- Specification of the grid system used.
- Quality and adequacy of topographic control.

Data spacing and distribution

- Data spacing for reporting of Exploration Results.
- Whether the data spacing and distribution is sufficient to establish continuity appropriate for the Mineral Resource and Ore Resource classifications applied.
- Whether sample compositing has been applied.

Orientation of data in relation to geological structure

- Whether the orientation of sampling achieves unbiased sampling where which this is known, considering the deposit type.
- If the relationship between the drilling orientation and the orientation of the deposit is considered to have introduced a sampling bias, this should be

Sample security

- The measures taken to ensure sample security.

Audits or reviews

- The results of any audits or reviews of sampling techniques and

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria

JORC Code explanation

Mineral tenement and land tenure status

- Type, reference name/number, location and ownership parties such as joint ventures, partnerships, over wilderness or national park and environmental s
- The security of the tenure held at the time of rep licence to operate in the area.

Criteria

JORC Code explanation

Exploration done by other parties

● Acknowledgment and appraisal of exploration b

Geology

● Deposit type, geological setting and style of min

Criteria

JORC Code explanation

Drill hole Information

- A summary of all information material to the uncertainty of the following information for all Material drill holes
  - easting and northing of the drill hole collar
  - elevation or RL (Reduced Level - elevation)
  - dip and azimuth of the hole
  - down hole length and interception depth
  - hole length.
- If the exclusion of this information is justified on the basis of the nature of the exploration, the exclusion does not detract from the understanding of the project. Where the exclusion is not justified, explain why this is the case.

Data aggregation methods

- In reporting Exploration Results, weighting averages and truncations (eg cutting of high grades) and cut-off grades should be used. Where aggregate intercepts incorporate short length scale results, the procedure used for such aggregations should be shown in detail.
- The assumptions used for any reporting of metal grades should be stated.

Relationship between mineralisation widths and intercept lengths

- These relationships are particularly important in reporting Exploration Results.
- If the geometry of the mineralisation with respect to intercept lengths is not known, it should be reported.
- If it is not known and only the down hole lengths are reported, the effect of the 'down hole length, true width not known' effect should be explained.

Diagrams

- Appropriate maps and sections (with scales) and diagrams should be provided where a significant discovery being reported. These should include collar locations and appropriate sectional views.

Balanced reporting

- Where comprehensive reporting of all Exploration Results is required, both low and high grades and/or widths should be reported.

Other substantive exploration data

- Other exploration data, if meaningful and material, should be reported, including geological observations; geophysical survey results; metallurgical test results; mineral characteristics; potential deleterious or contaminating elements.

Further work

- The nature and scale of planned further work (e.g. large-scale step-out drilling).
- Diagrams clearly highlighting the areas of possible mineralisation, interpretations and future drilling areas, provided they are consistent with the Exploration Results.

To view the source version of this press release, please visit <https://www.newsfilecorp.com/release/100286>

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